STATE FOREST LAND
ENVIRONMENTAL CHECKLIST

Purpose of Checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decided whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can. *Questions in italics are supplemental to Ecology's standard environmental checklist. They have been added by the DNR to assist in the review of state forest land proposals. Adjacency and landscape/ watershed-administrative-unit (WAU) maps for this proposal are available on the DNR internet website at http://www.dnr.wa.gov under "SEPA Center." These maps may also be reviewed at the DNR regional office responsible for the proposal. This checklist is to be used for SEPA evaluation of state forest land activities.*

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later. *All of the questions are intended to address the complete proposal as described by your response to question A-11. The proposal acres in question A-11 may cover a larger area than the forest practice application acres, or the actual timber sale acres.*

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered " does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NON PROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer" and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:

   *Timber Sale Name:***CHOO-CHOO CHARLIE** *Agreement #:***30-078698**

2. Name of applicant: **Washington State Department of Natural Resources (DNR)**

3. Address and phone number of applicant and contact person: **Charlie McKinney, 713 Bowers Rd, Ellensburg WA (509) 925-8510**

4. Date checklist prepared: **07/18/2006**

5. Agency requesting checklist: **DNR**

6. Proposed timing or schedule (including phasing, if applicable):

   a. *Auction Date:* **Winter 2007**
   b. *Planned contract end date (but may be extended):* **Fall 2008**
   c. *Phasing:* **N/A**

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

   Timber Sale

   a. *Site preparation:* **Site preparation will occur through mechanical ground disturbance during the course of ground-based yarding operations.**

   b. *Regeneration Method:* **Sale area contains moderate to high levels of advanced regeneration, and on the average, will be fully stocked upon completion of harvest activities. Areas deficient in advanced regeneration will be assessed post harvest for a potential spot planting of approximately 100 seedlings per acre.**

   c. *Vegetation Management:* **The sale area will be surveyed for competing vegetation upon conclusion of harvest activities, and if necessary, vegetation control will be conducted in accordance with DNR policies.**

   d. *Thinning:* **The sale area will be assessed upon completion of harvest activities for a precommercial thinning or slashing in order to adjust stocking levels and shift species composition to meet desired future stand goals.**

   Roads: **None**

   Rock Pits and/or Sale: **N/A**

   Other: **N/A**

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

☐*303 (d) – listed water body in WAU:* ☐*temp* ☐*sediment* ☐*completed TMDL (total maximum daily load):*
☐*Landscape plan:*
☐*Watershed analysis:*
☐*Interdisciplinary team (ID Team) report:*
☒*Road design plan:*
☒*Wildlife report:*
☐*Geotechnical report:*
☒*Other specialist report(s):* **Cultural Resource Survey**
☐*Memorandum of understanding (sportsmen's groups, neighborhood associations, tribes, etc.):*
☐*Rock pit plan:*
☒*Other:* **a) Policy for Sustainable Forests; b) Environmental Impact Statement (EIS) adopted July 31, 1992; c) State Soil Survey; d) DNR Habitat Conservation Plan, adopted January 30, 1997; e) A road maintenance and abandonment plan prepared by a professional engineer.**

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. **None known**

10. List any government approvals or permits that will be needed for your proposal, if known.

☐*HPA* ☐*Burning permit* ☐*Shoreline permit* ☒*Incidental take permit* ☒*FPA #* **2703712** ☒*Other:* **RMAP #270086L**

11. Give brief, complete description of our proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include specific information on project description.)

a. Complete proposal description:

The original proposal included approximately 600 acres, but was reduced to 414 acres after removing talus outcroppings, small springs, and slopes greater than 50%.

The Choo-Choo Charlie Timber Sale contains three units: Unit #1 (73 acres); Unit #2 (241 acres); and Unit #3 (100 acres). This proposal is located within the Yakima HCP Planning Unit, and is classified as "No Role" for Northern Spotted Owl Management under the DNR's Habitat Conservation Plan.

This proposal is located in the Coleman Creek WAU in parts of Section 36 of Township 20 North, Range 19 East, and parts of Section 32 and 34 of Township 20 North, Range 20 East. The sale area includes elevations ranging from a minimum of 4000 feet in Section 36 to 5300 feet in Section 34. The proposal area is located primarily on south to southeasterly aspects, with a majority of the area containing slopes from 1-35% interspersed with benches and steeper pitches of 45% to 50% (less than 1% of the sale area). Portions of the original proposal containing slopes greater than 50% have been removed due to inaccessibility.

Throughout the entire proposal area, the grand fir series (ABGR) predominates in both the lower and upper elevation ranges. In the upper ranges of the proposal area, the grand fir/heartleaf arnica series is the principal plant association (ABGR/ARCO: CWF444), while the grand fir/Cascade Oregon grape plant association is most prevalent in the lower elevations (ABGR/BENE: CWS225). All plant association information is from the "Field Guide for Forested Plant Associations of the Wenatchee National Forest" (USFS General Technical Report PNW-GTR 359).

There are a number of streams and ponds in the vicinity of the proposal area; however, all these waters have been bounded out of the proposal area with no harvest activity, and protected in accordance with the Washington State Forest Practice requirements. There are two Type Ns streams in Unit #2 that are protected with a 30' Equipment Limitation Zone (ELZ) buffer which will allow harvest activities but will restrict access for equipment and a Type Np stream that has been protected with a 50' no harvest area.

Current stand conditions support the need for a forest management strategy which will decrease overstocking and leave a more vigorous stand emulating a historic species composition and stocking levels.

This proposal will be harvested entirely with a ground based (rubber tired and/or tracked skidder) system.

b. Timber stand description pre-harvest (include major timber species and origin date), type of harvest, overall unit objectives.

Current overstory conditions are well stocked to overstocked with an imbalanced species composition that is heavily weighted toward over mature grand fir. Other species include (in order of prevalence): Douglas-fir, ponderosa pine, western larch, Engelmann spruce, and lodgepole pine.

A majority of the grand fir overstory is over mature (>100 years old) and severely suppressed due to overstocked conditions and a moderate degree of Armillaria root rot throughout. The remainder of the proposal area contains a mixed overstory of Douglas-fir, ponderosa pine, western larch, Engelmann spruce, and lodgepole pine that ranges in age from 50 to 150 years old. The overstory structure is moderately infected with dwarf mistletoe throughout, especially in the lower elevations. This infestation is particularly severe in the Douglas-fir and western larch. Under current stand conditions, future mortality from competition, diseases, and/or insect outbreaks will create a detrimental situation in which habitat will decline and risk of catastrophic wildfire will increase exponentially.

Overall, the forest management objectives for this proposal are to move the stands back to a more historic species composition where 60-70% of the stand will be primarily ponderosa pine and larch and no more than 40% of the stand will be short needle species. This will be attained by: a) a reduction in the stocking levels of overstory grand fir; b) a reduction in dwarf mistletoe levels in the overstory Douglas-fir and western larch; c) shifting overstory species composition toward healthy ponderosa pine, Douglas-fir, and western larch; d) releasing advanced regeneration which includes healthy Douglas-fir, western larch, and ponderosa pine while also promoting the natural regeneration of these species through ground disturbance during harvest activities.

These objectives will be met by implementing a late-rotational thinning in all three units and retaining an average of 15 to 20 overstory trees per acre ranging between 10 and 40 inches dbh. The post harvest structure will contain three primary age classes: 1) a mature overstory (50-100+ years old) comprised of approximately 5 to 10 trees per acre; 2) an intermediate canopy layer (25-50 years old) comprised of approximately 10 to 15 trees per acre; and 3) a small

sapling understory (5-25 years old) comprised of approximately 50 to 175 trees per acre. No ponderosa pine, Douglas-fir or western larch trees 28" DBH or larger and 160 years of age or older will be harvested as part of this proposal.

A post-harvest survey will be conducted to assess the need for a precommercial thinning to adjust stocking levels and shift species composition to a stand dominated by Douglas-fir, western larch, and ponderosa pine.

c. Road activity summary. See also forest practice application (FPA) for maps and more details.

Type of Activity	How Many	Length (feet) (Estimated)	Acres (Estimated)	Fish Barrier Removals (#)
Construction		**2,100'**	**0.7**	**0**
Reconstruction		**3,860'**		**0**
Abandonment		**3,490'**	**1.2**	**0**
Bridge Install/Replace	**0**			**0**
Culvert Install/Replace (fish)	**0**			**0**
Culvert Install/Replace (no fish)	**0**			

12. Location of proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. *(See timber sale map available at DNR region office, and/or color landscape/WAU map on the DNR website http://www.dnr.wa.gov under "SEPA Center.")*

a. Legal description: **Parts of Section 36, Township 20 North, Range 19 East and Sections 32 and 34, Township 20 North, Range 20 East, W.M. in Kittitas county.**

b. Distance and direction from nearest town (include road names): **Approximately 20 miles northeast of Ellensburg, WA. Proposal is accessible via the Coleman Creek Road (N-3000) and the East Fork Coleman Road (N-3300).**

c. Identify the watershed administrative unit (WAU), the WAU Sub-basin(s), and acres. (See also landscape/WAU map on DNR website http://www.dnr.wa.gov under " SEPA Center.")

WAU Name	WAU Acres	Proposal Acres
COLEMAN	**86,444**	**414**

13. Discuss any known future activities not associated with this proposal that may result in a cumulative change in the environment when combined with the past and current proposal(s). (See digital ortho-photos for WAU and adjacency maps on DNR website http://www.dnr.wa.gov under "SEPA Center" for a broader landscape perspective.)

This proposal contains 414 acres within the Coleman WAU (#390510) of which the DNR owns 15% (12,784 acres). According to the DNR's Forest Practice Application Review System (FPARS) database as of 7/18/2006, in the past seven years, Forest Practice Applications have been approved for the following activities within the Coleman WAU on both public and privately owned lands: 412 acres of even-age harvest; 6,118 acres of uneven-age harvest; and 69 acres of salvage. Combined, this represents 7.6% of the total acreage within this WAU. The DNR has harvested a total of 678 acres (276 acres even-age, and 402 acres uneven-age) over this seven-year period. The data from FPARS shows the last seven years of proposed harvest activities, however, some of these areas may not have actually been harvested as of 7/18/2006.

This proposal will add an additional 414 acres of uneven-age harvest in this WAU, bringing the total amount of harvested acres to 7,013 acres over the past seven years. This represents 8.1% of the total WAU, and 8.5% of the DNR ownership.

Current stand conditions are in decline due to overstocking, fire suppression, and an imbalanced species composition. As a result of this decline, Armillaria root rot and dwarf mistletoe levels have become prevalent throughout. This proposal aims to alleviate these problems by reducing stocking levels and moving the species composition from a grand fir dominated overstory to a mix of ponderosa pine, Douglas-fir, western larch, and minimal grand fir. By acting now to shift the stand to a post-harvest stocking level which favors site appropriate species, redistributes growth to selected healthy leave trees, releases suppressed regeneration, and promotes resistance to current and future health problems, we are moving this stand towards a desirable future condition.

Future activities in this WAU will potentially include planting, precommercial thinning, and timber harvest on both public and private timberlands.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (check one):

☐Flat, ☐Rolling, ☒Hilly, ☐Steep Slopes, ☐Mountainous, ☐Other:

1) General description of the WAU or sub-basin(s) (landforms, climate, elevations, and forest vegetation zone).

The Coleman WAU consists primarily of rolling topography with steeper slopes, talus cliffs, and benches scattered throughout. The annual average precipitation for this WAU ranges from 5 to 25 inches. Elevation within this WAU ranges from 1400 feet to 6400 feet with a median elevation of 3200 feet. The major timber types consist of ponderosa pine and Douglas-fir with western larch, grand fir, and lodgepole pine common in the higher elevations. Open areas of grasses intermixed with forbs and occasional basalt talus outcroppings are typically found throughout the Coleman WAU.

2) Identify any difference between the proposal location and the general description of the WAU or sub-basin(s).

The above description of the Coleman WAU adequately describes the proposal area.

b. What is the steepest slope on the site (approximate percent slope)? **The steepest slope on the site is approximately 45%. This is only found on about 1% of the project area.**

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland. *Note: The following table is created from state soil survey data. It is a roll-up of general soils information for the soils found in the entire sale area. It is only one of several site assessment tools used in conjunction with actual site inspections for slope stability concerns or erosion potential. It can help indicate potential for shallow, rapid soil movement, but often does not represent deeper soil sub-strata. The actual soils conditions in the sale area may vary considerably based on land-form shapes, presence of erosive situations, and other factors. The state soil survey is a compilation of various surveys with different standards.*

State Soil Survey #	Soil Texture or Soil Complex Name	% Slope	Acres	Mass Wasting Potential	Erosion Potential
3623	**STONY LOAM**	**5-25**	**216**	**INSIGNIFIC'T**	**MEDIUM**
3624	**STONY LOAM**	**25-45**	**79**	**LOW**	**MEDIUM**
3626	**STONY LOAM**	**25-45**	**52**	**LOW**	**MEDIUM**
0562	**BOCKER-JUMPE-COMPLEX**	**0-15**	**24**	**No Data**	**No Data**
4311	**STONY LOAM**	**25-45**	**16**	**LOW**	**MEDIUM**
0106	**V.STONY LOAM**	**5-25**	**15**	**INSIGNIFIC'T**	**N/A**
6855	**RUBBLE LAND-ROCK OUTCROP-COMPLEX**	**10-90**	**8**	**No Data**	**No Data**
4309	**STONY LOAM**	**0-25**	**4**	**LOW**	**MEDIUM**

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

1) *Surface indications:* **There are no surface indications of unstable soils in the immediate vicinity.**

2) *Is there evidence of natural slope failures in the sub-basin(s)?*
☐*No* ☒*Yes, type of failures (shallow vs. deep-seated) and failure site characteristics:*
Small, shallow slope failures may occur in the draws during high water runoff periods. This information is based on the WAU information only. Sub-basin information is not available for Eastern Washington.

3) *Are there slope failures in the sub-basin(s) associated with timber harvest activities or roads?*
☒*No* ☐*Yes, type of failures (shallow vs. deep-seated) and failure site characteristics:*
Associated management activity:

4) *Is the proposed site similar to sites where slope failures have occurred previously in the sub-basin(s)?*
☒*No* ☐*Yes, describe similarities between the conditions and activities on these sites:*

5) *Describe any slope stability protection measures (including sale boundary location, road, and harvest system decisions) incorporated into this proposal.*

1. Haul roads will have rolling dips installed to divert runoff onto the forest floor.
2. Skid trails will be blocked, water barred and/or covered with a slash mat after used to control erosion.
3. Timber haul will be restricted to dry or frozen conditions.
4. All roads have been reviewed by a professional engineer and have been included in the Region RMAP.
5. Certified weed free grass seed and fertilizer will be applied to both the cut banks and fill slopes on all road construction and reconstruction.
6. All streams have been protected according to Forest Practice regulations.
7. Landing and skid trail locations will be approved by the Contract Administrator.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.
*Approx. acreage new roads:***0.7** *Approx. acreage new landings:* **7** *Fill source:* **N/A**

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Minor erosion could occur on disturbed surfaces during seasonal snowmelt and spring thaw. Erosion will be minimized by active road maintenance including, but not limited to, installing water bars and maintaining drainage ditches and culverts.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? *Approximate percent of proposal in permanent road running surface (includes gravel roads):* **None**

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: **See B.1.d.5**
(Include protection measures for minimizing compaction or rutting.)

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust *from truck traffic, rock mining, crushing or hauling,* automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known. **Minor amounts of exhaust and road dust will be created during the operation. Slash pile smoke will occur if landing piles are burned, but only for short duration.**

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. **No**

c. Proposed measures to reduce or control emissions or other impacts to air, if any: **Any slash pile burning will be accomplished while following the DNR's Smoke Management rules.**

3. Water

a. Surface:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. *(See timber sale map available at DNR region office, or forest practice application base maps.)*

a) *Downstream water bodies:* **All streams in the immediate vicinity of the proposal area flow into Coleman Creek.**

b) *Complete the following riparian & wetland management zone table:*

Wetland, Stream, Lake, Pond, or Saltwater Name (if any)	Water Type	Number (how many?)	Avg RMZ/WMZ Width in Feet (per side for streams)
Unnamed	**Np**	**1**	**50' (No Harvest-Excluded from Unit)**
Unnamed	**Ns**	**2**	**30' ELZ**

c) *List RMZ/WMZ protection measures including silvicultural prescriptions, road-related RMZ/WMZ protection measures, and wind buffers.*

All streams and ponds are completely excluded from the proposal area and no timber harvest activities will occur within these riparian areas. All buffer widths either meet or exceed Forest Practice requirements.

2) Will the project require any work over, in, or adjacent to (within 200 feet) to the described waters? If yes, please describe and attach available plans.
☒*No* ☐*Yes (See RMZ/WMZ table above and timber sale map available at DNR region office.)*
Description (include culverts):

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material. **None**

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. *(Include diversions for fish-passage culvert installation.)*
☒*No* ☐*Yes, description:*

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.
☒*No* ☐*Yes, describe location:*

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.
☒*No* ☐*Yes, type and volume:*

7) Does the sub-basin contain soils or terrain susceptible to surface erosion and/or mass wasting? What is the potential for eroded material to enter surface water? **Sub-basin information is not available for Eastern Washington. Within the boundaries of the proposal there is no evidence of mass wasting.**

8) Is there evidence of changes to the channels in the WAU and sub-basin(s) due to surface erosion or mass wasting (accelerated aggradations, erosion, decrease in large organic debris (LOD), change in channel dimensions)?
☒*No* ☐*Yes, describe changes and possible causes:*

9) Could this proposal affect water quality based on the answers to the questions 1-8 above?
☒*No* ☐*Yes, explain:*

10) What are the approximate road miles per square mile in the WAU and sub-basin(s)? **2.7 miles/square mile**
Are you aware of areas where forest roads or road ditches intercept sub-surface flow and deliver surface water to streams, rather than back to the forest floor?
☒*No* ☐*Yes, describe:*

11) Is the proposal within a significant rain-on-snow (ROS) zone? If not, ***STOP HERE*** *and go to question B-3-a-13 below. Use the WAU <u>or</u> sub-basin(s) for the ROS percentage questions below.*
☒*No* ☐*Yes, approximate percent of WAU in significant ROS zone.*
Approximate percent of sub-basin(s):

12) If the proposal is within the significant ROS zone, what is the approximate percentage of the WAU <u>or</u> sub-basin(s) within the significant ROS zone (all ownerships) that is (are) rated as hydrologically mature?

13) Is there evidence of changes to channels associated with peak flows in the WAU <u>or</u> sub-basin(s)?
☒*No* ☐*Yes, describe observations:*

14) Based on your answers to questions B-3-a-10 through B-3-a-13 above, describe whether and how this proposal, in combination with other past, current, or reasonably foreseeable proposals in the WAU and sub-basin(s), may contribute to a peak flow impact. **There is no evidence this proposal will increase peak flows.**

15) Is there water resource (public, domestic, agricultural, hatchery, etc.), or area of slope instability, downstream or downslope of the proposed activity that could be affected by changes in surface water amounts, quality, or movements as a result of this proposal?
☒*No* ☐*Yes, possible impacts:*

16) Based on your answers to questions B-3-a-10 through B-3-a-15 above, note any protection measures addressing possible peak flow/flooding impacts. **Based upon the answers to the above questions, no protection measures need to be addressed.**

b. Ground *Water*:

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known. **N/A**

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals; agricultural; etc.). Describe the

general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. **Does Not Apply**

3) *Is there a water resource use (public, domestic, agricultural, hatchery, etc.), or area of slope instability, downstream or down slope of the proposed activity that could be affected by changes in groundwater amounts, timing, or movements as a result this proposal?*
☒*No* ☐*Yes, describe:*

a) Note protection measures, if any. **None**

c. Water Runoff (including storm water):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Storm water and seasonal snowmelt will be channeled through cross drains, culverts and water bars to dissipate on the forest floor.

2) Could waste materials enter ground or surface waters? If so, generally describe. **No**

a) Note protection measures, if any. **None**

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:
(See surface water, ground water, and water runoff sections above, questions B-3-a-1-c, B-3-a-16, B-3-b-3-a, and B-3-c-2-a.)
See B.1.d.5

4. Plants

a. Check or circle types of vegetation found on the site:

☐deciduous tree: ☐alder, ☐maple, ☒aspen, ☐*cottonwood,* ☒*western larch,* ☐*birch,* ☐other:
☐evergreen tree: ☒*Douglas fir,* ☒*grand fir,* ☐*Pacific silver fir,* ☒*ponderosa pine,* ☒*lodgepole pine,* ☐*western hemlock,* ☐*mountain hemlock,* ☒*Englemann spruce,* ☐*Sitka spruce,* ☐*red cedar,* ☐*yellow cedar,* ☐other:
☒shrubs: ☐*huckleberry,* ☐*salmonberry,* ☐*salal,* ☒*other:* **sagebrush, bearberry, bitterbrush**
☒grass
☐pasture
☐crop or grain
☐wet soil plants: ☐cattail, ☐buttercup, ☐bullrush, ☐skunk cabbage, ☐*devil's club,* ☐other:
☐water plants: ☐water lily, ☐eelgrass, ☐milfoil, ☐other:
☐other types of vegetation:
☐*plant communities of concern:*

Plant associations for the proposal area are all within the ABGR (grand fir) series.

b. What kind and amount of vegetation will be removed or altered? *(See answers to questions A-11-a, A-11-b, B-3-a-1-b and B-3-a-1-c. The following sub-questions merely supplement those answers.)*

1) Describe the species, age, and structural diversity of the timber types immediately adjacent to the removal area. (See landscape/WAU and adjacency maps on the DNR website at: http://www.dnr.wa.gov under "SEPA Center.")

The area immediately adjacent to the proposal includes privately owned industrial timberlands. These lands have been intensively managed in the recent past, containing mid to early seral stands of ponderosa pine, Douglas-fir, grand fir, and western larch. Structural diversity in these stands is minimal, both vertically and horizontally.

2) Retention tree plan:

Wildlife Reserve Trees (WRT's) and Green Recruitment Trees (GRT's) have been marked to leave with orange paint inside the sale area in order to meet Forest Practice requirements and DNR Legacy tree policies. Snags will be left standing where operationally possible and safety hazards can be mitigated. Retention tree patterns are variable; with some areas containing few leave trees and others containing dense clumps. Leave trees range in size from 10" dbh to approximately 40" dbh, with a majority of the leave trees in the upper diameter classes. Overall, the leave tree objective is to rehabilitate these units in order to shift species composition and reduce stocking levels. See A.11.b for more information.

c. List threatened or endangered *plant* species known to be on or near the site. **None known.**

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: **None**

5. Animal

a. Circle or check any birds animals *or unique habitats* which have been observed on or near the site or are known to be on or near the site:

birds: ☒hawk, ☐heron, ☐eagle, ☒songbirds, ☐*pigeon,* ☒other: Williamson Sapsucker
mammals: ☒deer, ☒bear, ☒elk, ☐beaver, ☒other: bobcats, cougars
fish: ☐bass, ☐salmon, ☐trout, ☐herring, ☐shellfish, ☐other:
unique habitats: ☒*talus slopes,* ☐*caves,* ☐*cliffs,* ☐*oak woodlands,* ☒*balds,* ☐*mineral springs*

b. List any threatened or endangered species known to be on or near the site *(include federal- and state-listed species).*

PHS maps and GIS report for SEPA evaluation for the Coleman WAU does not list any threatened or endangered species near this site.

c. Is the site part of a migration route? If so, explain.
☒*Pacific flyway* ☐*Other migration route:* *Explain if any boxes checked:*

This site is located in a migratory waterfowl migration route (Pacific flyway), but none are known to use this specific area for feeding or nesting.

d. Proposed measures to preserve or enhance wildlife, if any:

1) *Note existing or proposed protection measures, if any, for the complete proposal described in question A-11.*
Species /Habitat: **Multiple Species**
Protection Measures: **WRT's and GRT's have been left scattered throughout the sale area to provide structure, diversity, and future down woody debris. Existing down logs will be left as required to meet Forest Practice requirements. All streams and ponds have been bounded out of the sale. Management will increase the understory vegetation growth desirable for elk and deer browse.**

6. Energy and Natural Resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. **None**

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. **No**

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: **None**

7. Environmental Health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. **None**

1) Describe special emergency services that might be required. **The area covered by this proposal pays forest patrol assessment to the DNR for wildfire suppression.**

2) Proposed measures to reduce or control environmental health hazards, if any: **None**

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? **None**

2) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from this site.

Road building, logging equipment, and log trucks will create noise during the working hours of the operational period for this project. However, this is not an anticipated problem due to the remote location of the proposal area.

3) Proposed measures to reduce or control noise impacts, if any: **None**

8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties? *(Site includes the complete proposal, e.g. rock pits and access roads.)* **Timber production and forest land management**

b. Has the site been used for agriculture? If so, describe. **This site has historically been used for livestock grazing, and there is currently one active grazing lease.**

c. Describe any structures on the site. **None**

d. Will any structures be demolished? If so, what? **No**

e. What is the current zoning classification of the site? **Forestry and Range**

f. What is the current comprehensive plan designation of the site? **Forestry**

g. If applicable, what is the current shoreline master program designation of the site? **N/A**

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify. **No**

i. Approximately how many people would reside or work in the completed project? **None**

j. Approximately how many people would the completed project displace? **None**

k. Proposed measures to avoid or reduce displacement impacts, if any: **Does not apply**

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: **None**

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. **None**

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. **None**

c. Proposed measures to reduce or control housing impacts, if any: **None**

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principle exterior building material(s) proposed? **N/A**

b. What views in the immediate vicinity would be altered or obstructed?

1) Is this proposal visible from a residential area, town, city, developed recreation site, or a scenic vista?
☒*No* ☐*Yes, viewing location:*

2) Is this proposal visible from a major transportation or designated scenic corridor (county road, state or interstate highway, US route, river, or Columbia Gorge SMA)?
☒*No* ☐*Yes, scenic corridor name:*

3) How will this proposal affect any views described in 1) or 2) above? **N/A**

c. Proposed measures to reduce or control aesthetic impacts, if any: **None**

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur? **None**

b. Could light or glare from the finished project be a safety hazard or interfere with views? **No**

c. What existing off-site sources of light or glare may affect your proposal? **None**

d. Proposed measures to reduce or control light and glare impacts, if any: **None**

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity? **Hunting, hiking, snowmobiling, bird watching, mountain biking, horseback riding, cross-country skiing, and fishing.**

b. Would the proposed project displace any existing recreational uses? If so, describe: **Some disruption could occur during the harvest operations, but would resume after the proposal is complete.**

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: **Signs to inform of hazards associated with timber harvest and log truck traffic on Green Dot Roads.**

13. Historic and Cultural Preservation

a. Are there any places or objects listed on, or proposed for national, state, or local preservation registers known to be on or next to the site? If so, generally describe. **None**

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site. **None found at this time**

c. Proposed measures to reduce or control impacts, if any:
(Include all meetings or consultations with tribes, archaeologists, anthropologists or other authorities.)
The proposal area was surveyed by the DNR Archaeologist. Should any cultural resource be identified within the proposal area during operations, work will cease in that area and a professional archaeologist will be notified immediately and a site protection plan will be developed.

14. Transportation

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any. **Forest roads lead to a county road (Cooke Canyon Road) which leads to the Vantage Highway, which leads to the I-90 corridor.**

1) Is it likely that this proposal will contribute to an existing safety, noise, dust, maintenance, or other transportation impact problem(s)? **There will be a temporary increase in log truck traffic and possible dust along roads during the operations.**

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop? **No**

c. How many parking spaces would the completed project have? How many would the project eliminate? **None**

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private). **All forest roads are for the purpose of forest management activities and will be maintained at or above Forest Practice standards.**

1) How does this proposal impact the overall transportation system/circulation in the surrounding area, if at all? **N/A**

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. **No**

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur. **Between 5 and 10 loads of logs will be hauled each day during actual operations.**

g. Proposed measures to reduce or control transportation impacts, if any: **Haul roads will be posted to notify the public of log truck traffic.**

15. Public Services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe. **No**

b. Proposed measures to reduce or control direct impacts on public services, if any. **None**

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other. **None**

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. **None**

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Proposed by: _____ **Date:**
BRIAN MIZE, District Forester

Reviewed by: _____ **Date:**
KEN McNAMEE, District Manager

_____ **Date:**
CHARLIE McKINNEY, Proprietary Forester

Approved by: _____ **Date:**
GEORGE B. SHELTON, Assistant Region Manager